

What is Claimed is:

Sub A' → 1. A cross-member supporter adapted to pivotally connect at least two elongated stems of a foldable furniture, comprising a supporter body having a predetermined thickness, said supporting body having at least two vertical connecting  
5 holes and two inclined supporting holes provided therethrough, each of said inclined supporting holes being inclined in different direction, said two inclined supporting holes being respectively extended from top to bottom through said two vertical connecting holes to form two supporting through slots, wherein an axis of said vertical connecting hole of each of said supporting through slots is intersected with an axis of said respective inclined  
10 supporting hole, wherein each of said supporting through slots defines an upper supporting groove and a lower supporting groove which are inclined in opposite direction, moreover said two elongated stems are penetrated through and pivotally connected at said two supporting through slots respectively, thereby, each of said elongated stems is able to  
15 inclinedly rest and be supported by an upper groove surface and a lower groove surface of said respective inclined supporting hole so as to form a cross construction.

2. A cross-member supporter, as recited in claim 1, wherein said two supporting through slots are parallelly provided on said supporter body and said two inclined supporting holes are inclined in opposite direction.

3. A cross-member supporter, as recited in claim 1, wherein said two vertical  
20 connecting holes are perpendicular to said supporter body.

4. A cross-member supporter, as recited in claim 2, wherein said two vertical connecting holes are perpendicular to said supporter body.

5. A cross-member supporter, as recited in claim 1, wherein a diameter of each of said vertical connecting holes is equal to a diameter of each of said inclined  
25 supporting holes.

6. A cross-member supporter, as recited in claim 2, wherein a diameter of each of said vertical connecting holes is equal to a diameter of each of said inclined supporting holes.

5 7. A cross-member supporter, as recited in claim 3, wherein a diameter of each of said vertical connecting holes is equal to a diameter of each of said inclined supporting holes.

8. A cross-member supporter, as recited in claim 4, wherein a diameter of each of said vertical connecting holes is equal to a diameter of each of said inclined supporting holes.

10 9. A cross-member supporter, as recited in claim 1, further comprising a connecting means for pivotally connecting said stems at said supporting through slots respectively.

15 10. A cross-member supporter, as recited in claim 5, wherein said connecting means comprises a bolt and a nut, a transverse through hole penetrating through walls of said supporting through slots being provided on said supporter body, wherein said bolt is inserted through said transverse through hole at one side of said supporter body and locked in position by said nut at another side of said supporter body.

20 11. A cross-member supporter, as recited in claim 8, further comprising a connecting means for pivotally connecting said stems at said supporting through slots respectively.

25 12. A cross-member supporter, as recited in claim 11, wherein said connecting means comprises a bolt and a nut, a transverse through hole penetrating through walls of said supporting through slots being provided on said supporter body, wherein said bolt is inserted through said transverse through hole at one side of said supporter body and locked in position by said nut at another side of said supporter body.

13. A cross-member supporter, as recited in claim 1, wherein said supporter body has totally three supporting through slots circularly aligned thereon for pivotally connecting with three stems to form a tri-pod shaped cross construction.

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14. A cross-member supporter, as recited in claim 13, further comprising a connecting means for pivotally connecting said three stems at said three supporting through slots.

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15. A cross-member supporter, as recited in claim 14, wherein said connecting means comprises three screws, moreover three transverse through holes respectively penetrating through walls of said three supporting through slots are provided on said supporter body, wherein said three screws are inserted and secured through said three transverse through holes respectively.

16. A cross-member supporter, as recited in claim 4, wherein said supporter body has totally three supporting through slots circularly aligned thereon for pivotally connecting with three stems to form a tri-pod shaped cross construction.

17. A cross-member supporter, as recited in claim 16, further comprising a connecting means for pivotally connecting said three stems at said three supporting through slots.

18. A cross-member supporter, as recited in claim 17, wherein said connecting means comprises three screws, moreover three transverse through holes respectively penetrating through walls of said three supporting through slots are provided on said supporter body, wherein said three screws are inserted and secured through said three transverse through holes respectively.

19. A cross-member supporter, as recited in claim 8, wherein said supporter body has totally three supporting through slots circularly aligned thereon for pivotally connecting with three stems to form a tri-pod shaped cross construction, said cross-member supporter further comprising a connecting means for pivotally connecting said three stems at said three supporting through slots.

20. A cross-member supporter, as recited in claim 19, wherein said connecting means comprises three screws, moreover three transverse through holes respectively penetrating through walls of said three supporting through slots are provided on said supporter body, wherein said three screws are inserted and secured through said three transverse through holes respectively.